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<!--StartFragment-->RESULT 1
KIRR2_MOUSE
ID KIRR2_MOUSE Reviewed; 700 AA.
AC Q7TSU7; Q7TQ98;
DT 25-OCT-2004, integrated into UniProtKB/Swiss-Prot.
DT 01-OCT-2003, sequence version 1.
DT 24-JUL-2007, entry version 34.
DE Kin of IRRE-like protein 2 precursor (Kin of irregular chiasm-like
DE protein 2).
GN Name=Kirrel2;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muroidea; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1).
RC TISSUE=Olfactory epithelium;
RX PubMed=15489334; DOI=10.1101/gr.2596504;
RG The MGC Project Team;
RT "The status, quality, and expansion of the NIH full-length cDNA
RT project: the Mammalian Gene Collection (MGC).";
RL Genome Res. 14:2121-2127(2004).
RN [2]
RP NUCLEOTIDE SEQUENCE [MRNA] OF 48-376 (ISOFORM 2), AND TISSUE
RP SPECIFICITY.
RX MEDLINE=22721688; PubMed=12837264; DOI=10.1016/S0888-7543(03)00110-1;
RA Sun C., Kilburn D., Lukashin A., Crowell T., Gardner H., Brundiers R.,
RA Diefenbach B., Carulli J.P.;
RT "Kirrel2, a novel immunoglobulin superfamily gene expressed primarily
RT in beta cells of the pancreatic islets.";
RL Genomics 82:130-142(2003).
RN [3]
RP INTERACTION WITH NPHS2, AND TISSUE SPECIFICITY.
RC STRAIN=Swiss Webster; TISSUE=Brain;
RX PubMed=12424224; DOI=10.1096/fj.02-0242fje;
RA Sellin L., Huber T.B., Gerke P., Quack I., Pavenstaedt H., Walz G.;
RT "NEPH1 defines a novel family of podocin interacting proteins.";
RL FASEB J. 17:115-117(2003).
CC -!- SUBUNIT: Interacts with C-terminus of NPHS2/podocin.
CC -!- SUBCELLULAR LOCATION: Membrane; Single-pass type I membrane
CC protein (Potential).
CC -!- ALTERNATIVE PRODUCTS:
CC Event=Alternative splicing; Named isoforms=2;
CC Name=1;
CC IsoId=Q7TSU7-1; Sequence=Displayed;
CC Name=2;
CC IsoId=Q7TSU7-2; Sequence=VSP_011786;
CC -!- TISSUE SPECIFICITY: Highly expressed in beta-cells of the
CC pancreatic islets. Expressed also in podocytes of kidney
CC glomeruli.
CC -!- SIMILARITY: Belongs to the immunoglobulin superfamily.
CC -!- SIMILARITY: Contains 5 Ig-like C2-type (immunoglobulin-like)
CC domains.
CC -----
CC Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
CC Distributed under the Creative Commons Attribution-NoDerivs License
CC -----
DR EMBL; BC052773; AAH52773.1; -; mRNA.
DR EMBL; AY305303; AAP72168.1; -; mRNA.
DR UniGene; Mm.113908; -.

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Query Match 99.7%; Score 3678; DB 1; Length 700;
Best Local Similarity 99.6%; Pred. No. 1.3e-224;
Matches 697; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

<http://es/ScoreAccessWeb/GetItem.action?AppId=10532264&seqId=09323b6780798624...>

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Db	181	TVENTLFLTPSSHDDGATLICRARSQALPTGRDTAVTILSLQYPPMVTLSAEPQTVQEGEK	240
Qy	241	VTFLCQATAQPPVTGYRWAKGGSVVLGARGPRLEVADATFLEPVSVCEVSNVAGSANRS	300
Db	241	VTFLCQATAQPPVTGYRWAKGGSVVLGARGPRLEVADATFLEPVSVCEVSNVAGSANRS	300
Qy	301	TALEVLYGPILQAKPKSVSVVDVGKDSFSCVWRGNPLPRITWTRMGGSQVLSGGPTLRLP	360
Db	301	TALEVLYGPILQAKPKSVSVVDVGKDSFSCVWRGNPLPRITWTRMGGSQVLSGGPTLRLP	360
Qy	361	SVALEDAGDYVCRAEPRRTGLGGGKAQARLTVNAPPVVVTALQPAPAFLRGPRLQCQVFA	420
Db	361	SVALEDAGDYVCRAEPRRTGLGGGKAQARLTVNAPPVVVTALQPAPAFLRGPRLQCQVFA	420
Qy	421	SPAPDSVVWSWDEGFLEAGSLGRFLVEAFPAPVEGGQGGLISVLHISGTQESDFTTGF	480
Db	421	SPAPDSVVWSWDEGFLEAGSLGRFLVEAFPAPVEGGQGGLISVLHISGTQESDFTTGF	480
Qy	481	NCSARNRLGEGRVQIHLGRDDLPTVRIVAGAASAATSLLMVITGVVLCWHRHGSLSKQK	540
Db	481	NCSARNRLGEGRVQIHLGRDDLPTVRIVAGAASAATSLLMVITGVVLCWHRHGSLSKQK	540
Qy	541	NLVRIPGSSEGSRRGPEEETGSSSEDRGPIVHTDHSDLVLEEKEALETKDPTNGYYKVRG	600
Db	541	NLVRIPGSSEGSRRGPEEETGSSSEDRGPIVHTDHSDLVLEEKEALETKDPTNGYYKVRG	600
Qy	601	VSVSLSLGEAPGGGLFLPPPSPIGLPGTPTYDFKPHLDLVPPCRLYRAGYLTTPHPR	660
Db	601	VSVSLSLGEAPGGGLFLPPPSPIGLPGTPTYDFKPHLDLVPPCRLYRAGYLTTPHPR	660
Qy	661	AFTSYMKPTSFPGPDLSSSGTPPFFPYATLSPPSHQRLQTHV	700
Db	661	AFTSYMKPTSFPGPELSSSGTPPFFPYATLSPPSHQRLQTHV	700

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